

**222-S Project Managers Meeting & Misc. Lab Issues**

**(TSD: TS-2-1)**

2704HV, Room G-229

March 22, 2001

9:30 – 10:00 a.m.

**RECEIVED**  
SEP 06 2001

**EDMC**

DOE: *JEZ 5/2/01*  
NOT PRESENT  
Jamie Zeisloft

Date

ECOLOGY: *Fred Jamison*  
Fred Jamison

*05-03-01*

Date

# MEETING MINUTES

222-S Project Manager's Meeting and Miscellaneous Lab Issues  
03/22/2001

## Meeting Attendees:

Lynn Anderson, FH ASP  
Lucinda Borneman, FH ASP  
Don Hart, FH ASP

Tracy Gao, Ecology  
Fred Jamison, Ecology  
Jay Warwick, FH WSCF

## Introduction:

The meeting was called to order by Lucinda Borneman at 9:35 a.m.

## Approval of Previous Meeting Minutes:

The minutes from the February 2001 meeting were distributed for approval.

## Status of Action Items:

AS-00-009: This action is being revised. Liz Bowers and Steve Wisness will initiate contact on resolution of the change request.

Status: Open

## 222-S Laboratory Operations:

The 222-S Operations report (attached) was presented by Don Hart.

222-S is presently looking at the 219-S sample data for transfer to Tank Farms. This action was delayed because of nuclear safety issues at the Tank Farms. The target date for transfer to Tank Farms is in June.

The Laboratory received two drums back from the WRAP facility that contained lead. The items were identified and the drums were repacked. We are reviewing waste generation processes with our staff.

We have received notice of the TSD permit going out for public comment.

## WSCF Laboratory Operations:

The WSCF monthly operations report (attached) was presented by Jay Warwick.

RL is looking at what it would take to convert WSCF to commercial practices. An independent team evaluated how WSCF compares to commercial labs. WSCF is presently putting together an implementation plan. This item will be discussed further in next month's meeting.

## Review of New Action Items:

No new action items were noted during this meeting.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)  
2/23/01

Attachment 1  
List of Attendees  
Action Items

## **222-S Project Managers Meeting & Misc. Lab Issues**

**2704HV/Room G-229**

**March 22, 2001**

**9:30 – 10:00 p.m.**

### **Agenda**

- I.     Introductions**
- II.    Approval of Previous Meeting Minutes**
- III.   Status of Action Items**
- IV.   222-S TSD Issues**
- V.     222-S Laboratory**
  - Operational Report**
- VI.   WSCF Laboratory**
  - Operational Report**
- VII.   Misc. Issues**
- VIII.  Review of New Action Items**

9:30 - 10:00 a.m.

[illegible]

222-S Laboratory's Treatment Tanks and  
Storage Buildings (TSD: TS-2-1)  
and Miscellaneous Laboratory Topics  
February-01

TRACKING NUMBER	DATE ASSIGNED	FACILITY	ACTION	ACTIONEE	DUE DATE [Target=T, Mandatory=M]	STATUS
AS-00-009	4/27/00	ALL	Provide status of Change request to TPA Section 6 (QA)	J. Zeisloft	5/25/00	OPEN
AS-00-014	11/30/00	222-S	Confirm resources have been identified for the HASQARD Volume 3 update.	L. Borneman	12/30/00	CLOSED 12/28/00
AS-00-013	11/30/00	222-S	Provide information (e.g., schedule, etc.) showing the 222-S Laboratory support to the Regulatory DQO and PNNL.	L. Borneman	12/30/00	CLOSED 12/28/00
AS-00-004	3/23/00	ALL	Determine why Ecology is no longer getting RL Occurrence Reports	J. Zeisloft	4/27/00	CLOSED 12/28/00
AS-00-012	11/30/00	222-S	Determine 222-S Part B status.	J. Zeisloft	12/30/00	CLOSED 1/25/01

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)  
2/22/01

Attachment 2  
222-S Lab Operations Report  
WSCF Operations Report

**MONTHLY OPERATION STATUS  
222-S LABORATORY  
D. J. Hart  
March 2001**

**Environment/Safety & Health (ES&H):**

A meeting was held with Ecology to clarify the scope of Corrective Measure #1 in the Notice of Correction associated with the colloidian recovery. The scope is to evaluate all chemical products (does not include items already designated as waste). Determine if the material poses a shock sensitive hazard or could become shock sensitive over time. Also evaluate those chemicals that could pose a hazard due to pressurization or degradation over time. In addition evaluate other chemical products to determine if they have a "legitimate" use, either currently or in the future, if not then these materials should be determined to be a solid waste.

Standards Laboratory personnel performed another walkthrough of all laboratories and listed all chemicals in secondary containers that are not currently on our facility inventory. The listing will be in a spreadsheet format until the chemical management system is able to track such items. The items were also bar-coded for future tracking capability.

The results from the second set batch of cation separations on Chelex 100 were evaluated. After the pH adjustment required for loading, the results indicated losses of Ag, Cr and V. The average recovery for the other 25 elements was greater than 90%. The sodium levels remained high in the separations. Further testing is in progress to improve recoveries and lower sodium concentrations. This work is being performed to support the Supplemental Environmental Project (SEP).

The laboratory chemical inventory has been reviewed by the Chemical Hygiene Officer, and compared to the PNNL list for similarities in chemical names. This is needed so that when the upload is completed, the chemical names will upload into the system. During this review, about 300 items did not have counterparts in the Chemical Management System (CMS) and will have to be uploaded by hand once the system is installed. This work will continue for the next few weeks, as the 222-S/WSCF Laboratory inventory migrates from the laboratory database standards laboratory instrument calibration to the new site CMS.

**Operations:**

The final report for Tank 241-S-101 Grab has been transmitted from the 222-S "Labcore" system to the Tank Characterization Database. This data was successfully loaded, verified and up leveled, Wednesday, March 14, 2001; within the seven-day limit established by TPA data access and delivery requirements (section 9.6.3). The deliverable due date is March 20, 2001, and was completed six days ahead of schedule.

Shear strength measurements of the three samples of SY-102 sludge, as well as the remainder of the C-107 sludge samples, have been taken. Interpretation and reporting should be completed in a week.

The final report for Tank 241-S-107 Grab has been transmitted from the 222-S "Labcore" system to the Tank Characterization Database. This data was successfully loaded, verified, and up leveled Thursday, March 8, 2001; within the seven-day limit established by Tri Party Agreement data access and delivery requirements (Section 9.6.3). The deliverable due date is March 12, 2001, and was completed six days ahead of schedule.



Loaded out and packaged (14) 241-AW-101 samples for shipment. Three days were needed to package the PAS-1 casks this week. A Maintenance fieldwork supervisor led the effort for this operation, with the hot cell subject matter experts directing their usual tasks. Each of these evolutions is complex in nature, requiring the coordination of a multitude of craft and support personnel. The operation was conducted in a smooth manner, with only a few minor glitches. The PAS-1 casks were shipped off to Savannah River Technical Center on March 1, 2001.

Performed Total Inorganic Carbon/Total Organic Carbon sub sampling of 241-AY-102; performing acid digestions on 241-AY-102 waste integration treatment (WIT) samples; and setup for percent solids, fusions, and water leaches on the same 241-AY-102 WIT samples.

The particle size and polarized light microscopy analyses for samples from the 241-AZ-101 MPT have been completed and the report has been issued. Because of problems encountered in recovering the sample and measuring the particle size on the samples taken for particle size analysis of AZ-101 MPT, a meeting was held with the tank coordinator to discuss further analyses of other AZ-101 mixer pump test material. Based on this meeting, no additional analyses will be planned at this time.

#### HR/IR:

Cindy Belew received the Radiation Control Technician (RCT) of the Year Award given by the Columbia Chapter of the Health Physics Society. This award is given to the best RCT on site including Northwest Energy (WPPSS), Bechtel, PNNL, Siemens, and all Fluor Hanford contractors (Waste Management, DYNCORP, Office of River Protection, CHG).

## WSCF MARCH REPORT

### ANALYTICAL

#### WSCF Workload

The 3/14/01 close-of-business "snapshot" of the WSCF workload is as follows:

Department	Incomplete Sample Analyses		
	Due/Overdue	Not Yet Due	Total
Industrial Hygiene	7	125	132
Inorganic Chemistry	0	95	95
Organic – Condensed	13	101	114
Organic – Vapor	0	40	40
Project Support	0	0	0
Radiochemistry	0	281	281
Total	20	642	662

#### Holding Times

- WSCF Missed Holding Time Metrics for 03/14/01:

Benchmark (CY1999): 45.5  
Since 1/1/2000: 5.3  
FY2001: 0.6  
Last 30 days: 0.6  
Last 7 days: 0.0

This metric is the number of analyses completed after the holding time expired per thousand analyses performed. Days since last missed holding time: 15.

The ICAT audit response was issued Monday, March 19.

WSCF Industrial Hygiene completed a new round of proficiency testing for airborne lead, a new testing requirement starting this year. WSCF attained a proficient rating by correctly analyzing four air filters containing known amounts of lead. WSCF IH also successfully completed a round of proficiency testing for solvent vapors by analyzing correctly to "badge" samples containing known amounts of organic solvents.

WSCF picked up 29 empty summa canisters from PNNL that they no longer had use for. A portion of the summa canisters will be made available to 222-S and the remainder will be kept by WSCF for future use. Estimated cost savings for reuse versus burial is 15K.

### OPERATIONS

WSCF received a Commercial Practices Concept Plan prepared by Analytical Excellence, INC. The report identifies recommendations to implement commercial best management practices at WSCF. An analysis of these recommendations, completed with an implementation plan, is forthcoming from the management team.

A 10-day HVAC outage is scheduled for May 3-13 at WSCF. The scope of work includes upgrading the controller system for the North Laboratory HVAC, installing isolation dampers, and reconstructing fire dampers to allow maintenance access. The contract with construction forces has been finalized. The WSCF customer base has been notified the facility will not be operational, and the facility is working to accommodate any needs they may have during the outage. The management team is putting together a plan for staff utilization during the outage.

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Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES  
(TSD: TS-2-1), MARCH 2001

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		Correspondence Control	A3-01	X
		<b><u>Fluor Hanford, Inc.</u></b>		
		Administrative Record	H6-08	
		L. E. Borneman	<del>T6-08</del>	X
		D. B. Hardy	T6-14	X
		D. J. Hart	S3-30	X
		J. L. Nuzum	T6-14	X
		G. J. Warwick	S3-28	X
		222-S Regulatory File	S3-30	X
		WSCF Regulatory File	T6-14	X
			S3-30	X
		<b><u>US. Department of Energy</u></b>		
		<b><u>Richland Operations Office</u></b>		
		J. Zeisloft	A2-15	X
		E. M. Bowers	A2-15	X
		<b><u>Washington State Department of Ecology</u></b>		
		T. Z. Gao	B5-18	X
		F. Jamison	B5-18	X
		D. G. Singleton	B5-18	X
		J. W. Yokel	B5-18	X

*L. E. Borneman* 8/28/01